Documentation of genetically modified organisms 22.12.2017

According to Gentechnik-Aufzeichnungsverordnung (GenTAufzV) you have to keep record about all genetically modified organisms (GMO/GVO) in your lab. It is not important whether you are actually working with them or just storing them in your freezer.

1) Transgenic mice

To avoid multiple documentation we now agreed with LAGeSo that the mouse line information sheets, which have to be filled in for import of mice into the DRFZ ("Mouse Import Form") or Charité (" Dokumentationsblatt für genetisch veränderte Labortiere") mouse facilities, are also accepted as GMO records. Please print out all new forms from the last year, sign them, and give them to Andreas Hutloff by the end of February.

2) All other genetically modified organisms

For all other GMO (bacteria, cell lines etc.) you have to use the official Formblatt Z. We recommend to keep it as Word document in electronic form. Please print out, sign it, and give it to Ria Baumgrass (S1) or Ute Hoffmann (S2) by the end of February.

Header: Please indicate the facility number (S1 = 368/00, S2 = 352/00) and your working group.

Number: All lines of Form Z have to be numbered with consecutive numbers.

RG: Risk group (either 1 or 2). May be different for donor, recipient, and resulting GVO; so always fill in.

Spender/Donor: The species your gene originally came from (e.g. human, mouse)

Empfänger/Recipient: The organism now harboring the gene (e.g. E. coli JM101, 293T, mouse C57BL/6). For E. coli please specify the substrain to see whether it is a lab safety strain. For mice also indicate the substrain as an additional identifier (coat color).

Vektor/Vector: The vector your gene is cloned into. If it is a non-standard vector you have to provide a detailed vector map.

Nukleinsäure/Nucleic acid: Name of your gene.

Risikopotential/Risk potential: "kein/none" for S1 and "gering/low" for S2.

Reinigungsgrad/Grade of purification: "definiertes Gen/defined gene", "subgenische DNA/subgenic DNA" if only part of the gene is cloned into the vector, "uncharakterisierte Fragmente/undefined fragments" e.g. if you have generated a cDNA library.

GVO/GMO: Name of your genetically modified organism.

Erzeugt am/Produced on: Date you have generated or imported the GVO into your lab (not the date the GVO was originally produced somewhere else)

Entsorgt am/Disposed on: Date you completely destroyed the GVO.

Abbreviations: All abbreviations used have to be explained.

Example

Nr.	Spender		Empfänger		Vektor	Nukleinsäure		GVO			
	Bezeichnung	**RG**	**Bezeichnung**	**RG**	**Bezeichnung**	**Bezeichnung**	**1. Risikopotential 2. Reinigungsgrad**	**Bezeichnung**	**RG**	**Erzeugt am:**	**Entsorgt am:**
1	Mensch	1	E.coli Top10F´	1	pCR2.1 TOPO (Invitrogen)	Gen für v-Region der IgH-Kette	1. kein 2. definiertes Gen	VH PC143	1	04/2009	
2	Mensch	1	HEK293T	1	Expressions-vektor γ1HC(1)	Gen für v-Region der IgH-Kette	1. kein 2. definiertes Gen	HEK293 PC143	1	05/2009	
3	Mensch, Aequorea victoria	1 1	E.coli DH10B-Top10	1	pSDF1[3)]	diptheria toxin receptor (DTR), eGFP	1. kein 2. definiertes Gen	SDF1-DTR-eGFP	1	07/2009	
4	Maus	1	E.coli XL1-Blue	1	Lamda ZAPII (Stratagene)	cDNA aus Maus T-Zellen	1. kein 2. uncharakterisierte Fragmente	T cell cDNA library	1	07/2009	
5	Pseudomonas aeruginosa	2	E.coli K12	1	pUC19	Exotoxin A, Domäne II (nicht toxisch)	1. kein 2. subgenische DNA	Exo A Domäne II	1	09/2009	
6	Maus Aequorea victoria	1 1	E. coli XL10	1	pMSCV-IRES-GFP	Tbet cDNA	1. kein 2. def. Gen	E. coli pMSCV-Tbet-IRES-GFP	1	09/2009	
7	Maus Aequorea victoria	1 1	HEK 293T	1	pECO pCGP pMSCV-Tbet-IRES-GFP	Tbet cDNA	1. kein 2. def. Gen	HEK pMSCV-Tbet-IRES-GFP	1[2)]	11/2009	11/2009
8			OT-2 Zellen	1	rekombinante, replikations-defekte Viren[1)] aus Nr. 7			OT-2 pMSCV-Tbet-IRES-GFP	1	11/2009	11/2009

Legende

[1)] Generiert durch Transfektion von HEK-Zellen

[2)] Murin-ecotropes Retrovirus (nicht humanpathogen)

[3)] Vektorkarte in der Anlage

eGFP, Enhanced green fluorescent protein (aus Aequorea victoria)

IgG, Immunoglobulin, schwere Kette

v-Region, variable Region